

IN THE UNITED STATES DESIGNATED/ELECTED OFFICE

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International	Ap	nlica	tion	No.
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PCT/EP2003/010775

International Filing Date

September 26, 2003

Priority Date(s) Claimed

October 7, 2002

Applicant(s) (DO/EO/US)

Michael HECKMEIER et al.

Title: LIQUID-CRYSTALLINE MEDIA CONTAINING

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §§ 1.56, 1.97 and 1.98

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

This information disclosure statement is made in accordance with 37 C.F.R. §§ 1.56, 1.97 and 1.98 as follows:

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\boxtimes		37 C.F.R. § 1.97(b), no fee or statement is required for filing this information sure statement is filed:
		within three months of the filing date of a national application other than a CPA under § 1.53(d);
		within three months of the actual filing date of the national phase of a PCT application; OR
	\boxtimes	before the mailing of a first substantive office action (including after filing of an RCE).
		37 C.F.R. § 1.97(c), this information disclosure statement is filed after the periods fied in 37 C.F.R. § 1.97(b), but before the mailing date of:
		a final rejection under 37 C.F.R. 1.113; termination of prosecution, e.g. Ex Parte Quayle, M.P.E.P § 609(B)(2); OR a notice of allowance under 37 C.F.R. § 1.311; and

			_
		is acco	ompanied by:
			the statement as specified in 37 C.F.R. § 1.97(e) set out below; OR
			a check covering the fee of \$180.00 under 37 C.F.R. § 1.17(p).
			R. § 1.97(d), this information disclosure statement is filed after the mailing lowing actions which have not been withdrawn:
		a final	action under 37 C.F.R. § 1.113;
		termin	ation of prosecution, e.g. Ex Parte Quayle, M.P.E.P § 609(B)(2);
		OR a r	notice of allowance under 37 C.F.R. § 1.311;
	AND i	s filed	on or before payment of the issue fee; AND is accompanied by:
			tement as specified in 37 C.F.R. § 1.97(e) as set forth below, and the fee of 00 under 37 C.F.R. § 1.17(p).
Staten	nents U	1der 37	C.F.R. 1.97(e)
			Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application having a mailing date not more than three months prior to the filing date of this information disclosure statement; or
			No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the undersigned attorney after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing date of the information disclosure statement.
Cited	Materia	<u>ls</u>	
		ancest	s of materials listed but not attached were cited in benefit (35 U.S.C. § 120) or application Serial No, on Form 892 by the Examiner and/or Form by the applicant; see 37 C.F.R. § 1.98(d).
	\boxtimes		s of materials listed but not attached were cited in an international search dated February 9, 2004.
		Not re	quired by 37 CFR § 1.98.
		Copies	s of the materials listed are attached (except for the foregoing).
			2

Non-English	Language References				
\boxtimes	An English-language search report or equivalent paper from a foreign patent office is provided indicating the relevance of the cited reference(s).				
	A foreign-language search report from a foreign patent office is provided, and pertinent parts are translated substantively below:				
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Respectfully submitted,

Anthony J. Zolano, Reg. No. 27,969

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Attorney Docket No.: IBHWH-21

Date: April 7, 2005

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of

Complete if Known				
Application Number	Unassigned / 50000			
Filing Date	April 7, 2005			
First Named Inventor	Michael HECKMEIER et al.			
Group Art Unit	Unassigned			
Examiner Name	Unassigned			
Attorney Docket Number	IBHWH-21			

	U.S. PATENT DOCUMENTS						
Examiner		U.S. Patent Docui	ment Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY		
	1	52442616			September 7, 1993		
	2	5833880			November 10, 1998		
	3	5518652			May 21, 1996		
	4	6395351			May 28, 2002		
	5	6183822			February 6, 2001		
	6	5622648			April 22, 1997		
	7	2003085377			May 8, 2003		

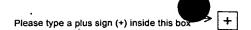
	FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Office ³	Foreign Patent Docur Number ⁴	Mind Code ⁵	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	8	wo	9015854		Merck Patent GmbH	December 27, 1990		Equv to cite 1
	9	DE	4408171		BASF AG	September 14, 1995		Equv to cite 2
	10	GB	2280445		Merck Patent GmbH	February 1,1995		Equv to cite 3
	11	wo	0107962		Merck Patent GmbH	February 1, 2001		
	12	wo	9852905		Rolic AG	November 26, 1998		Equv to cite 4
	13	EP	0972818		Merck Patent GmbH	January 19, 2000		Equv to cite 5
	14	EP	0648827		Merck Patent GmbH	April 19, 1995		Equv to cite 6
	15	EP	1256617		Merck Patent GmbH	November 13, 2002		Equv to cite 7

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. Number refers to English language corresponding family member.



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Substitute for form 1449A/PTO Complete if Known **Application Number** Una signed **INFORMATION DISCLOSURE** April 7, 2005 Filing Date STATEMENT BY APPLICANT First Named Inventor Michael HECKMEIER et al. **Group Art Unit** Unassigned (use as many sheets as necessary) **Examiner Name** Unassigned Sheet 2 of 2 Attorney Docket Number IBHWH-21

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xaminer Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	16	Huang C et al: "NEMATIC ANISOTROPIC LIQUID-CRYSTAL GELS-SELF-ASSEMBLED NANOCOMPOSITES WITH HIGH ELECTROMECHANICAL RESPONSE" ADVANCED FUNCTIONAL MATERIALS, WILEY INTERSCIENCES, WIENHEIM, DE, vol. 13, no. 7 July 2003 pages 525-529, XP001164635	

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